

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

671302-2008

First Inventor

Katsumi MOCHITATE

Title

METHOD OF PREPARING BASEMENT MEMBRANE, METHOD OF
CONSTRUCTING BASEMENT MEMBRANE SPECIMEN, RECONSTITUTED
ARTIFICIAL TISSUE USING THE BASEMENT MEMBRANE SPECIMEN AND
PROCESS FOR PRODUCING THE SAME

Express Mail Label No.

EV 385417036 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

**Addressed to: Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification **[Total Pages 1-81]**
(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer
program listing appendix.
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s) [Pages 82-95]
- Abstract of the Disclosure [TWO PAGES – PAGE 96 & 97]
4. ☒ Drawing(s) (35 U.S.C. 113) **[Total Sheets 16]**
5. Oath or Declaration **[Total Pages 3, unsigned]**
a. ☐ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table
or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☐ Computer Readable Form (CFR)
b. Specification sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & documents(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
- ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure ☒ Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i).
Applicant must attach from PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: **PCT/JP02/09841 filed**

September 25, 2002

Prior application information:

Examiner: _____

Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number**20999**or ☐ Correspondence address below

Name	Thomas J. Kowalski				
Address	Frommer Lawrence & Haug LLP, 745 Fifth Avenue				
City	New York	State	NY	Zip Code	10151
Country	USA	Telephone	(212) 588-0800	Fax	(212) 588-0500
Name (Print/Type)	Thomas J. Kowalski		Registration No. (Attorney/Agent)		32,147
Signature	<i>Thomas J. Kowalski</i>		Date	March 25, 2004	

18379
U.S. PTO
032504

Under the Paperwork Reduction Act of 1965, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003 <small>Effective 01/01/2003. Patent fees are subject to annual revision.</small>		Complete if Known	
		Application Number	
		Filing Date	
		First Named Inventor	
		Katsumi MOCHITATE	
Examiner Name			
TOTAL AMOUNT OF PAYMENT	(\$1,788.00)	Attorney Docket No.	671302-2008

<p>METHOD OF PAYMENT (check all that apply)</p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None</p> <p><input type="checkbox"/> Deposit Account:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Deposit Account Number</td> <td style="width:50%; text-align: center;">50-0320</td> </tr> <tr> <td>Deposit Account Name</td> <td style="text-align: center;">Frommer Lawrence & Haug LLP</td> </tr> </table> <p>The Commissioner is authorized to: (check all that apply)</p> <p><input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments</p> <p><input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application</p> <p><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.</p> <p style="text-align: center;">FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Code</th> <th>Fee \$</th> <th>Code</th> <th>Fee \$</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>770</td> <td>2001</td> <td>385</td> <td>Utility filing fee</td> <td rowspan="5" style="text-align: center; vertical-align: middle;">\$770.00</td> </tr> <tr> <td>1002</td> <td>340</td> <td>2002</td> <td>170</td> <td>Design filing fee</td> </tr> <tr> <td>1003</td> <td>530</td> <td>2003</td> <td>265</td> <td>Plant filing fee</td> </tr> <tr> <td>1004</td> <td>770</td> <td>2004</td> <td>385</td> <td>Reissue filing fee</td> </tr> <tr> <td>1005</td> <td>160</td> <td>2005</td> <td>80</td> <td>Provisional filing fee</td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (1)</td> <td style="text-align: center;">(\$770.00)</td> </tr> </tbody> </table> <p>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>67</td> <td>20** = 47</td> <td>18</td> <td>846.00</td> </tr> <tr> <td>Independent Claims 5</td> <td>3** = 2</td> <td>86</td> <td>172.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Code</th> <th>Fee \$</th> <th>Code</th> <th>Fee \$</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>18</td> <td>2202</td> <td>9</td> <td>Claims in excess of 20</td> <td rowspan="5" style="text-align: center; vertical-align: middle;">\$1,018.00</td> </tr> <tr> <td>1201</td> <td>86</td> <td>2201</td> <td>43</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>1203</td> <td>290</td> <td>2203</td> <td>145</td> <td>Multiple dependent claim, if not paid</td> </tr> <tr> <td>1204</td> <td>86</td> <td>2204</td> <td>43</td> <td>Reissue independent claims over original patent</td> </tr> <tr> <td>1205</td> <td>18</td> <td>2205</td> <td>9</td> <td>Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (2)</td> <td style="text-align: center;">(\$1,018.00)</td> </tr> </tbody> </table> <p><small>** or number previously paid, if greater; For Reissues, see above</small></p>	Deposit Account Number	50-0320	Deposit Account Name	Frommer Lawrence & Haug LLP	Large Entity		Small Entity		Fee Description	Fee Paid	Code	Fee \$	Code	Fee \$	1001	770	2001	385	Utility filing fee	\$770.00	1002	340	2002	170	Design filing fee	1003	530	2003	265	Plant filing fee	1004	770	2004	385	Reissue filing fee	1005	160	2005	80	Provisional filing fee	SUBTOTAL (1)					(\$770.00)	Total Claims	Extra Claims	Fee from below	Fee Paid	67	20** = 47	18	846.00	Independent Claims 5	3** = 2	86	172.00	Multiple Dependent				Large Entity		Small Entity		Fee Description	Fee Paid	Code	Fee \$	Code	Fee \$	1202	18	2202	9	Claims in excess of 20	\$1,018.00	1201	86	2201	43	Independent claims in excess of 3	1203	290	2203	145	Multiple dependent claim, if not paid	1204	86	2204	43	Reissue independent claims over original patent	1205	18	2205	9	Reissue claims in excess of 20 and over original patent	SUBTOTAL (2)					(\$1,018.00)	<p>FEE CALCULATION (continued)</p> <p>3. 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late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or Cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	950	2253	475	Extension for reply within third month		1254	1480	2254	740	Extension for reply within fourth month		1255	2010	2255	1005	Extension for reply within fifth month		1401	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing a brief in support of an appeal		1403	290	2403	145	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1330	2453	665	Petition to revive- unintentional		1501	1330	2501	665	Utility issue fee (or reissue)		1502	480	2502	240	Design issue fee		1503	640	2503	320	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))		1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))		1801	770	2801	385	Request for continued examination(RCE)		1802	900	1802	900	Request for expedited examination of a design application		Other fee (specify) _____						SUBTOTAL (3)					(\$)
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1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																																																			
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																																																																			
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																																																																			
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																																																																			
1801	770	2801	385	Request for continued examination(RCE)																																																																																																																																																																																																																																																																																																			
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																																																																																																																																			
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SUBTOTAL (3)					(\$)																																																																																																																																																																																																																																																																																																		

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Thomas J. Kowalski	Registration No. (Attorney/Agent)	32,147
Signature	<i>Thomas J. Kowalski</i>	Telephone	(212) 588-0800
		Date	03/25/04

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CERTIFICATE OF MAILING - SEPARATE PAPER - PATENT APPLICATION

Attorney Docket No. : 671302-2008

Title : METHOD OF PREPARING BASEMENT MEMBRANE,
METHOD OF CONSTRUCTING BASEMENT MEMBRANE
SPECIMEN, RECONSTITUTED ARTIFICIAL TISSUE USING
THE BASEMENT MEMBRANE SPECIMEN AND PROCESS
FOR PRODUCING THE SAME

Filed : Herewith

Applicants : Katsumi MOCHITATE

Mailed: **March 25, 2004** via "Express Mail Label # **EV 385417036 US**

I hereby certify that the Patent Application for the above-referenced application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to:

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Enclosed: **Utility Patent Application (total 97 pages, specification pages 1-81, claims pages 82-95, abstract page 97 & 97)**
16 Sheets of Figures (Figures 1-16)
Utility Patent Application Transmittal
Fee Transmittal
Declaration and Power of Attorney (unsigned)
Check in the amount of \$1,788.00 (to cover filing fee)
Forms PCT/RO/105, PCT/ISA/202, 206, 210, 220, PCT/IB/301,
304, 306, 308, 332, PCT/RO/101, PCT/IPEA/402, 408, 409, 416,
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Signature